



Dugway Proving Ground Restoration Advisory Board Meeting

August, 13 2007
Dugway Proving Ground
Dugway, Utah

PROJECT UPDATES

Keller Davis - Shaw
Environmental, Inc.

Remediation Activities

- Landfill Cover Construction
- Removal Actions



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Ground
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Remediation Activities



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Remediation Activities

Two Remediation Technologies:

- Closure-in-place landfills
 - Safety issues preclude handling the wastes
 - Install geo-membrane supported geosynthetic clay liner (GCL) cover systems and perform routine maintenance
- Removal actions
 - Site history and investigation results support waste removal to attain closure
 - Use sampling to demonstrate waste and exposure risks have been removed



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Landfill Cover Construction

- 4 sites planned for 2007: 39, 55, 79, and 197
- Work began April 16, 2007
- Completed July 2007
- 4 acres of GCL deployed



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Removal Actions

- 13 sites planned for 2007: 3, 9, 17, 18, 19, 23, 25, 115, 118, 180, 188, 199, and 212
 - Site features defined during investigation
 - Safety assessments show waste is safe to excavate and remove
 - Sample waste to determine disposal options
 - Excavate and dispose of waste
 - Confirmation sampling in footprint of excavation
 - Sample results used to demonstrate adequate removal
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- ~~Work began June 2007~~
 - Projected completion in November 2007



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SWMU 3 Building Demolition



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SWMU 3 Building



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SWMU 118 Demolition



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SWMU 118 Demolition



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SWMU 118 Demolition



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SWMU 118 Demolition



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SWMU 118 Demolition



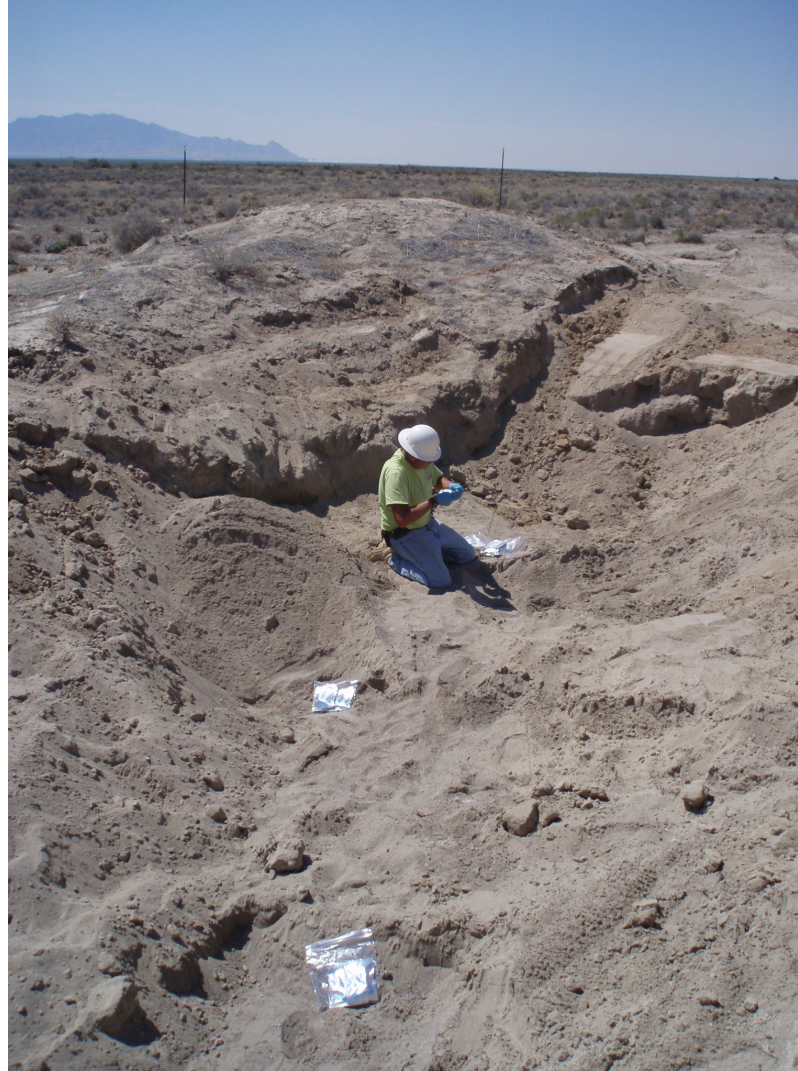
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SWMU 188 Removal



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SWMU 188 Removal



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SWMU 188 Removal



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SWMU 188 Removal



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Typical Wastes Encountered



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Typical Wastes Encountered



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Remaining Activities

- Receive analytical results from laboratories
- Assign applicable waste codes and dispose of the excavated waste
- Review confirmation sample results to determine:
 - Is additional excavation necessary to remove contamination?
 - Can the site be backfilled and restored?



Questions?



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